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Substitute for form 1449A/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  <i>(use as many sheets as necessary)</i>				<b>Complete if Known</b>	
				Application Number	
				Filing Date	
				First Named Inventor	Shivakumar Sitaraman et al.
				Group Art Unit	
				Examiner Name	
Sheet	1	of	2	Attorney Docket Number	24-NS-120423-6

U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	U.S. Patent Document		Name of Patentee or Applicant Of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code <sup>2</sup> (if known)			
	AA	3,440,037		Martin et al.	4/22/69	
	AB	4,744,824		Yuhara et al.	5/17/88	
	AC	4,818,485		Maziasz et al.	4/4/89	
	AD	5,192,490		Burel	3/9/93	
	AE	5,912,933		Shaug et al.	6/15/99	
	AF	5,940,460		Seidel et al.	8/17/99	
	AG	5,976,275		Yonezawa et al.	11/2/99	
	AH	6,163,589		Vartanian	12/19/2000	

FOREIGN PATENT DOCUMENTS								
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
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OTHER PRIOR ART - - NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the items (book, magazine, journal, serial, symposium, catalog, etc.), data, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
	OA	ADVANCED LATTICE PHYSICS METHODS AND THEIR IMPACT ON LWR CORE SIMULATIONS - II; Pages 371 and 372; TRANSACTIONS OF THE AMERICAN NUCLEAR SOCIETY, Volume 72, June 25-29, 1995, Eric A. Blocher, Technical Program Chair; Irene O. Macke (ANS), Editor	
	OB	DEVELOPMENT AND VALIDATION OF TGBLA BWR LATTICE PHYSICS METHODS; Pages 364 to 375; TOPICAL MEETING ON REACTOR PHYSICS AND SHIELDING, American Nuclear Society, Volume 1, September 17-19, 1984; Munenari Yamamoto and Hiroshi Mizuta	
	OC	CRITICALITY ANALYSIS OF HETEROGENEOUS LIGHT WATER REACTOR CONFIGURATIONS, Nuclear Science and Engineering: 113, 239-250; March 1993; S. Sitaraman and F. Rahnema	
	OD	Los Alamos National Laboratory; MCNP Publications Page - Judith Briesmeister; "About MCNP™"	
	OE	Los Alamos National Laboratory; MCNP Publications Page - Judith Briesmeister; LA Reports Available On the Web; "MCNP - A General Monte Carlo N-Particle Transport Code"	

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	OF	A FRACTURE MECHANICS EVALUATION OF BWR SHROUD MID-CORE HORIZONTAL WELD TO JUSTIFY CONTINUED OPERATION, PVP, Vol. 463, Flaw Evaluation, Service Experience, and Reliability, Pgs. 178 to 190, Hardayal S. Mehta, GE Nuclear Energy, San Jose, CA	
	OG	A COMPARISON OF MEASURED AND CALCULATED HELIUM PRODUCTION IN NICKEL USING NEWLY EVALUATED NEUTRON CROSS SECTIONS FOR 59Ni, Journal of Nuclear Materials 122 & 123 (1984), Pgs. 1002-1010, North Holland, Amsterdam	
	OH	RETROSPECTIVE REACTOR DOSIMETRY FOR NEUTRON FLUENCE, HELIUM, AND BORON MEASUREMENTS, 11 <sup>th</sup> International Symposium on Reactor Dosimetry, Brussels, Belgium, August 18-23, 2002, Pgs. 1-8	
	OI	S. Ganesan, Further Comments On Helium Production In Stainless Steel, Letters to the Editor, Nuclear Science and Engineering, Vol. 76, No. 3, Dec. 1980, Pgs. 371-372	
	OJ	B. Goel, Response To Further Comments On Helium Production in Stainless Steel, Letters to the Editor, Nuclear Science and Engineering, Vol. 76, No. 3, Dec. 1980, Pgs. 372-373	
	OK	Sato, S., Estimation Of Helium Production Due To Neutron Streaming and Establishment Of Shielding Design Conditions In Fusion Shielding Blanket By 3-D Monte Carlo Calculation, Abstract, Proc. 9 <sup>th</sup> International Conference On Radiation Shielding, Tokyo, Oct. 1999, Pgs. 253-257	
	OL	Nandedkar, R., et al., Influence Of Boron On Creep And Microstructural Behaviour Of Neutron Irradiated Austenitic Stainless Steel, Abstract, Journal of Nuclear Materials, V. 155-57, Pt. B July (II) 1988, Pg. 1038-1042	

Examiner Signature		Date Considered:
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